

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Graham, et al  
Serial No.: 09/129,565  
Filed: August 5, 1998  
For: Inhibition Of Viral Infection And Spread With Viral And  
Rhoa-Derived Peptides  
Group Art Unit: 1643  
Attorney's Docket No. 3324



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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. §1.56, applicant hereby calls to the attention of the Patent and Trademark Office the following patents and other documents:

1. "Priming with Secreted Glycoprotein G of Respiratory Syncytial Virus (RSV) Augments Interleukin-5 Production and Tissue Eosinophilia after RSV Challenge", Journal of Virology, Apr. 1998, p. 2871-2880, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

2. "AIDS Experts Testing More-Aggressive Antiviral Regimens", by William Check, ASM News, Volume 64, Number 4, 1998, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

3. "AIDS Researchers Negotiate Tricky Slopes of Science", SCIENCE, Vol. 280, May 8, 1998, p. 825-826, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

4. "Identification of a Reservoir for HIV-1 in Patients on Highly Active Antiretroviral Therapy", SCIENCE, Vol. 278, November 14, 1997, p. 1295-1300, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

5. "Induction of Systemic and Mucosal Immune Responses to Human Immunodeficiency Virus Type 1 by a DNA Vaccine Formulated with QS-21 Saponin Adjuvant via Intramuscular and Intranasal Routes", Journal of Virology, June 1998, p. 4931-4939, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

6. "A Peptide Mimic of a Protective Epitope of Respiratory Syncytial Virus Selected from a Combinatorial Library Induces Virus-Neutralizing Antibodies and Reduces Viral Load in Vivo", Journal of Virology, Mar. 1998, p. 2040-2046, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

7. "Rho GTPases and the Actin Cytoskeleton", SCIENCE, Vol. 279, January 23, 1998, p. 509-514, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

8. "Heptad Repeat Sequences Are Located Adjacent to Hydrophobic Regions in Several Types of Virus Fusion Glycoproteins", Journal of General Virology, 71, p. 3075-3080, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

9. "Revealing HIV's T Cell Passkey", SCIENCE, Vol. 280, June 19, 1998, p. 1833-1834, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

10. "The HIV-1 Envelope Glycoproteins: Fusogens, Antigens, and Immunogens", SCIENCE, Vol. 280, June 19, 1998, p. 1884-1888, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

11. "Progress in the Development of an HIV-1 Vaccine", SCIENCE, Vol. 280, June 19, 1998, p. 1875-1879, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

12. "HIV-1 Regulatory/Accessory Genes: Keys to Unraveling Viral and Host Cell Biology", SCIENCE, Vol. 280, June 19, 1998, p. 1880-1883, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

13. "The Small GTPase Rho: Cellular Functions and Signal Transduction", J. Biochem, Vol. 120, No. 2, 1996, p. 215-228, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

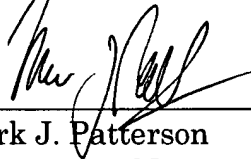
14. "Arginine-Glycine-Aspartic Acid-Specific Binding by Foot-and-Mouth Disease Viruses to the Purified Integrin  $\alpha\beta 3$  In Vitro", Journal of Virology, Nov. 1997, p. 8357-8361, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

15. "Glycoprotein D of Herpes Simplex Virus (HSV) Binds Directly to HVEM, a Member of the Tumor Necrosis Factor Receptor Superfamily and a Mediator of HSV Entry", Journal of Virology, Aug. 1997, p. 6083-6093, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

16. "Requirements for Different Components of the Host Cell Cytoskeleton Distinguish Ecotropic Murine Leukemia Virus Entry via Endocytosis from Entry via Surface Fusion", Journal of Virology, Oct. 1997, p. 7145-7156, which is listed on attached Form PTO-1449, and a copy of which is enclosed. It is requested that the reference be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

The Commissioner is authorized to charge any deficiency or credit any overpayment in connection with this Information Disclosure Statement to Deposit Account No. 23-0035.

Respectfully submitted,



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CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this Information Disclosure Statement is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231, November 5, 1998.

Mark J. Patterson

Registration No. 30,412

November 5, 1998

Date